

Weekly report

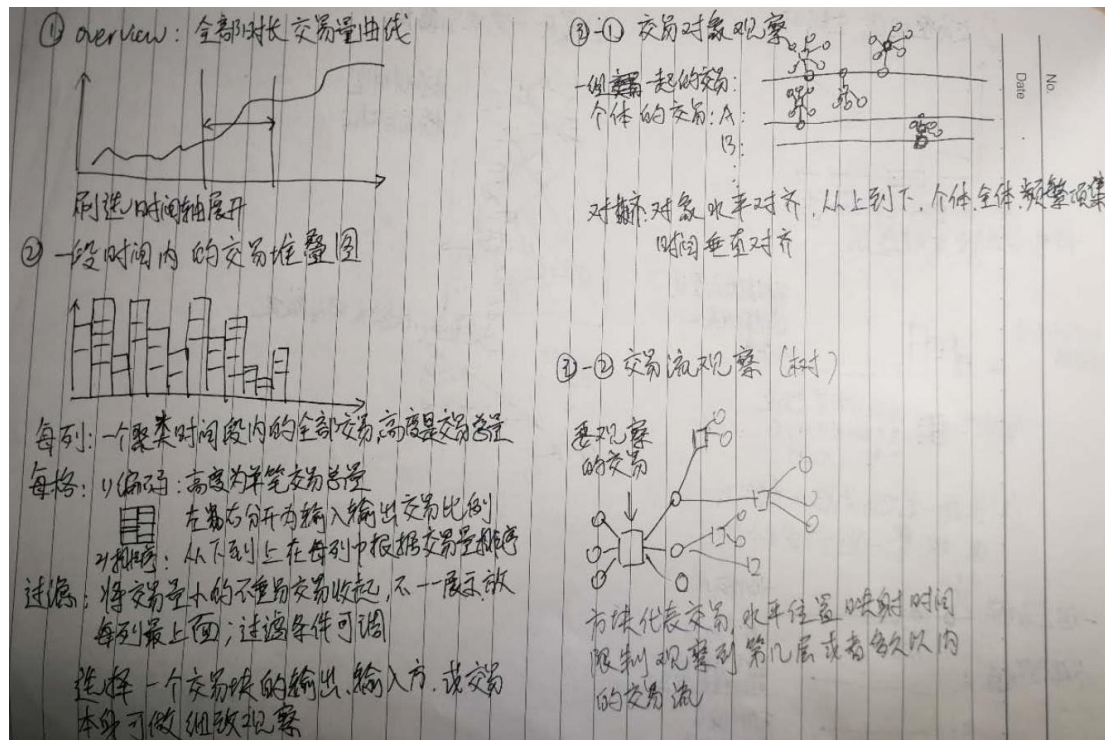
1 Done.

1.1 RelationLine

Ready to submit. However, a sociology professor has promised to give me feedback before the 12th. In order to wait for this review, I have not submitted yet.

1.2 Bitcoin

I designed the analysis process on transactions.



Prof. Xia summarized a series of tasks about price fluctuation, from two perspectives: users and transactions.

- Distribution (users & transactions)
- Typical pattern (users & transactions)
- Correlation to price fluctuation (users & transactions)
- Correlation between user patterns and transaction patterns
- Development of user pattern
- Price prediction

About the analysis process:

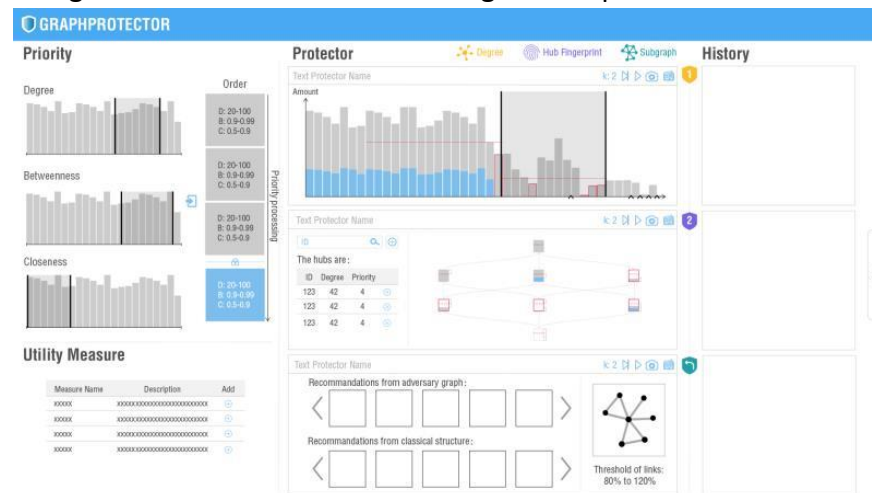
- User analysis
 - 1) Construct user portrait
 - 2) User overview
 - 3) Zoom in and filter
 - 4) Observe in detail
- Transaction analysis

- 1) Extract features
- 2) Transaction Overview
- 3) Zoom in and filter
- 4) Observe in detail

Prof. Xia prefer the process presented by Ben Shneiderman. I think the framework proposed by Tamara (explore->describe->explain->confirm) may be matter. As for now, this version is a little bit trivial.

1.3 Graph Privacy

Design: I modified the interface design to adapt to our new scheme.



Code:

- I improved the layout of our system as the new interface design.
- Implemented the utility measure view and part of the priority view.

1.4 Geo privacy

Now we have 21 results. Still need more.

2 Progress

Item	Deadline	Current progress	Remark
Geo-privacy	-	Lack of participants.	-
Graph privacy	1.31	Programming.	-
RelationLine	12.14	Waiting for another expert review.	
Bitcoin	-	Visual design.	-